

RELEASE NOTE

NVR5X-4KS2_V3.215.0000001.0.R.20180326

NVR product line
2018.4

F/W Version

| Applicable products | GDP NO. | Version |
|----------------------------|-----------------|--|
| NVR5XXX-4KS2 series | 2.1.02.01.18492 | DH_NVR5XXX-4KS2_MultiLang_V3.215.0000001.0.R.20180326 |
| | 2.1.02.01.18494 | General_NVR5XXX-4KS2_Eng_V3.215.0000001.0.R.20180326 |
| | 2.1.02.01.18495 | General_NVR5XXX-4KS2_MultiLang_V3.215.0000001.0.R.20180326 |

COMMENT



New Functions



Optimizations



Bug fixes

A solid orange square is positioned on the left side of the slide, partially overlapping the blue background.

New Functions

New Function——Multi-language



■ Up to 23 languages

English/French/Korean/Spanish(EU)/Spanish(Latin)/German/Italian/Portuguese/Dutch/Arabic/Farsi/Poland/Greece/Serbian/Finnish/Romanian/Czech/Bulgarian/Hungarian/Slovak/Danish/Sweden/ Russian

■ Fast delivery service

Baseline supports 23 languages, lower customization tasks and faster delivery service.

New Function——New anti-channel conflict strategy

-- What have we done to prevent cross region sales?



Source Tracking

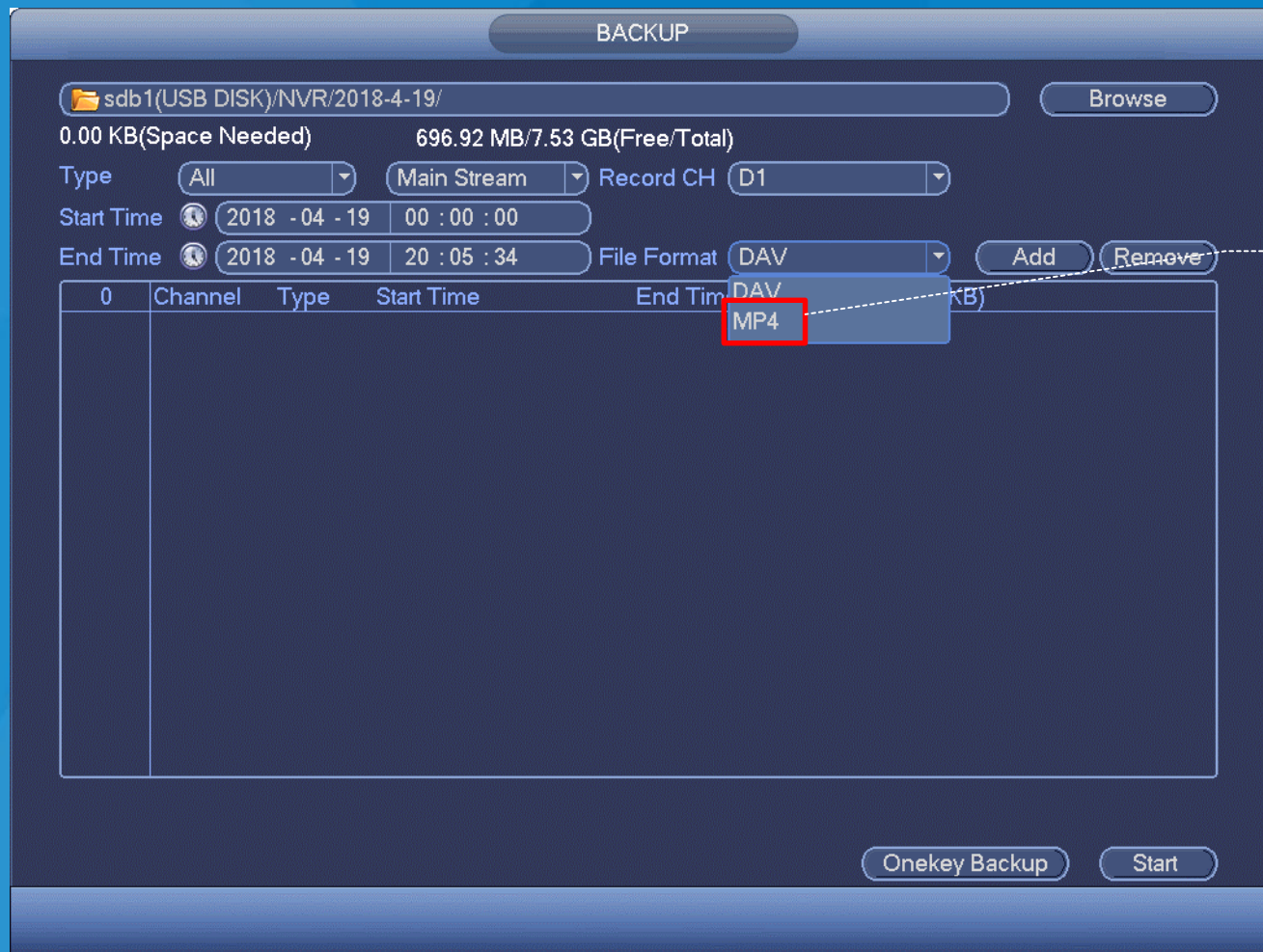
- Even if the SN and MAC of devices are being changed, we can still retrieve original SN and MAC to prevent cross region sales.
- Notes: Only the new produced products support, previous produced products can't support by upgrading firmware.



Limit Upgrade

- NVR sales to overseas can not connect domestic IPC through onvif or private protocol. If you do so, system will prompt "Device is not compatible" and there will be no video.
- Domestic NVR can not be upgraded with overseas firmware. If you try to connect, system will prompt "Illegal Firmware" and the device can not boot up.

New Function—— MP4 file format

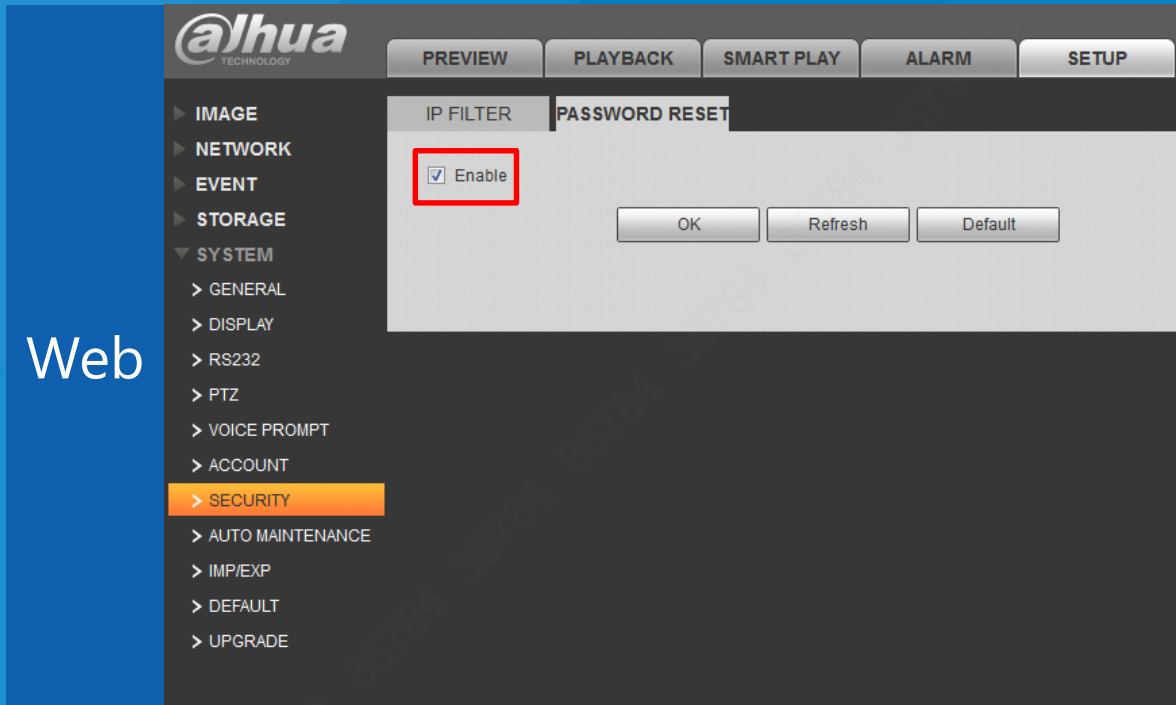


Due to the population of MP4, newly add **MP4** file format to replace the old ASF file format.

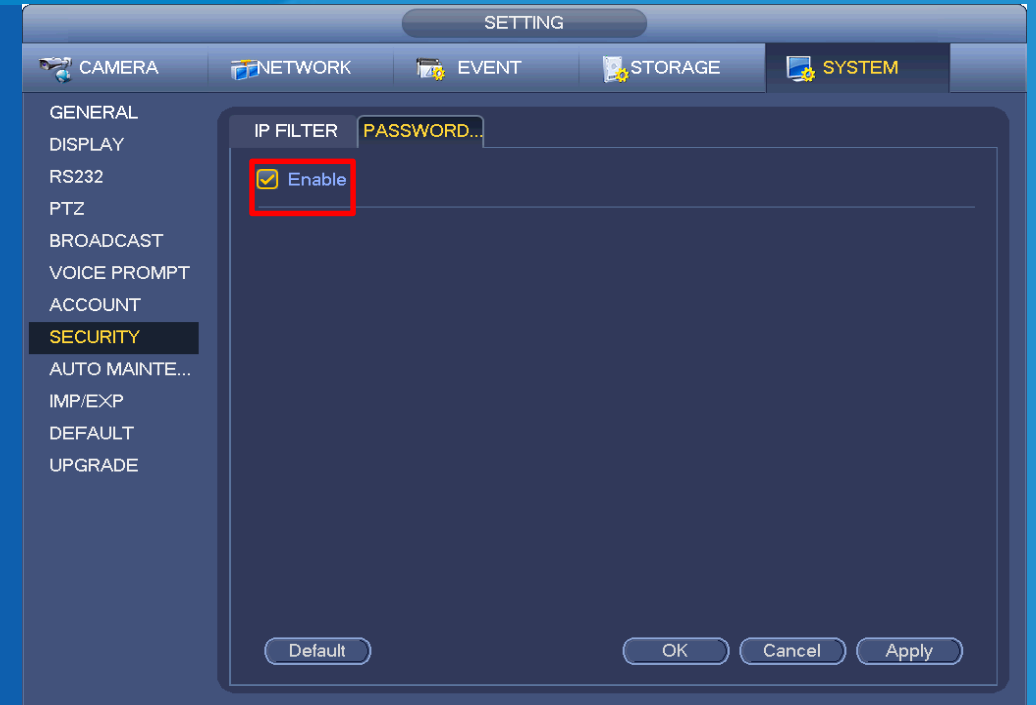
- ✓ Better compatibility, widely use
- ✓ More convenient, no need to install Dahua smart player

New Function—— New password reset strategy

Web



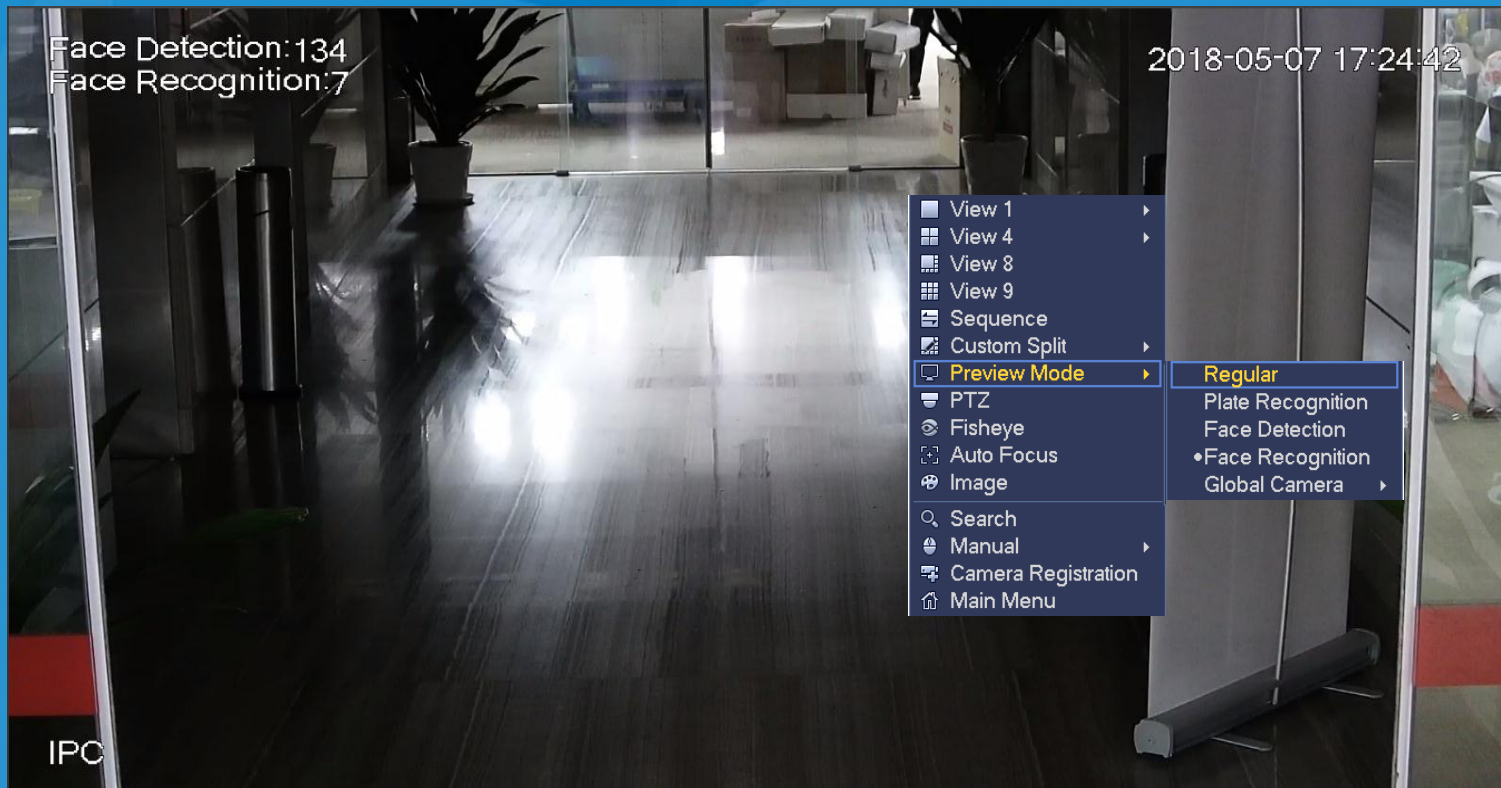
Local



- ☞ If password reset is not enabled, users can't retrieve the password by mobile phone or Email, it can only be retrieved through security issues in local GUI. If no security issues setting before, it will prompt "Password reset closed". Please note that only the account with security authority can configure this function.

New Function—— Preview Mode

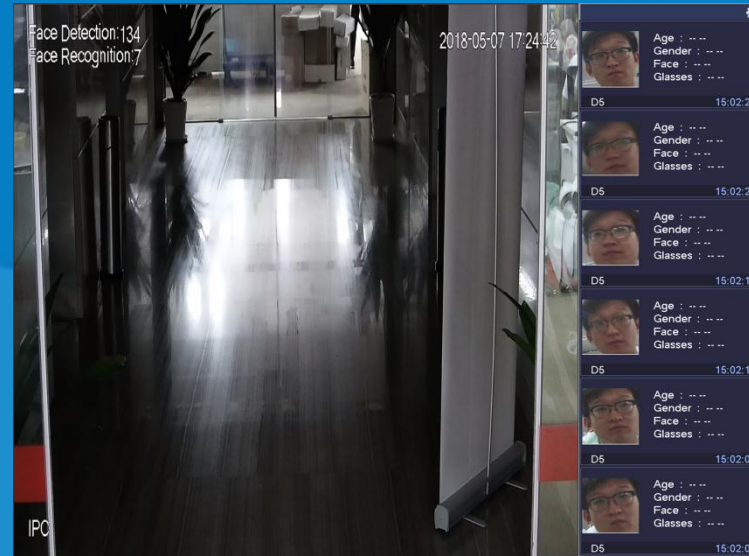
- ✦ In order to simplify facial and ANPR configuration of preview mode, the new firmware has adjusted the preview mode. Right click and choose preview mode you want.
- ✦ Five preview modes, as regular, plate recognition, face detection, face recognition and global cameras.



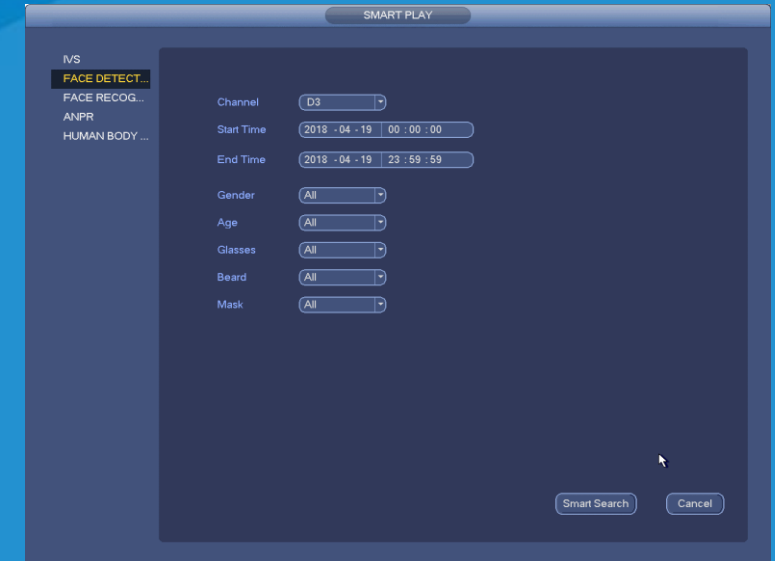
New Function—— Face detection with facial features(For Demo only)



Configuration



Preview



Smart Play

- Working with face detection cameras, NVR can get facial features from cameras, including gender, age, glasses, mustache, mouse mask.
- Right click and chose preview mode as face detection, then it will show facial features and snapshots.
- Face detection interface newly add facial features configuration
- Search face detection by date, time, facial features with smart play function

New Function—— Face recognition(For Demo only)

Working with front-end face recognition, this new version can do face recognition configuration.

- **Face library management**

Add, modify and delete face libraries, batch add face pictures to libraries, max 5 face libraries for one channel

- **Face recognition setup**

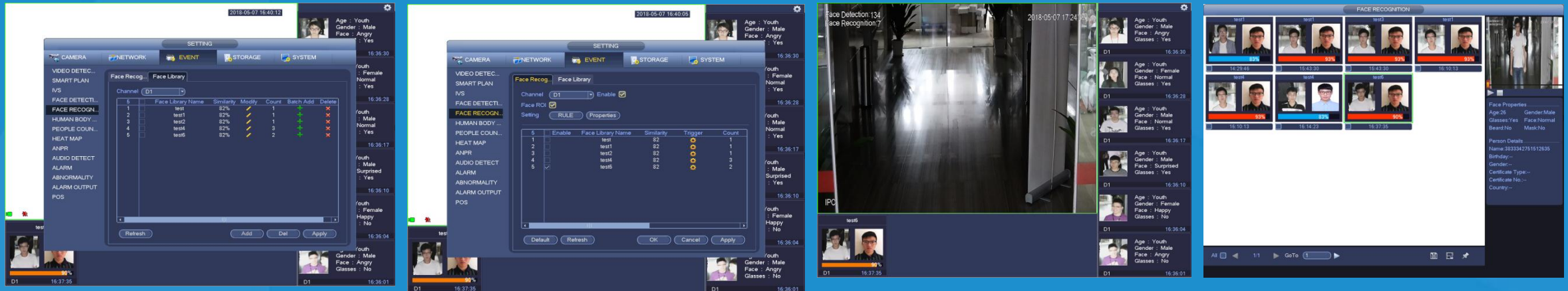
Enable, setting rules and setup corresponding face libraries and trigger events

- **Face recognition preview**

Choose preview mode as face recognition, face detection and face recognition shown on preview interface

- **Face recognition search**

Search face recognition results by channel, time, gender, age, similarity etc.



New Function—— Human body detection(For Demo only)

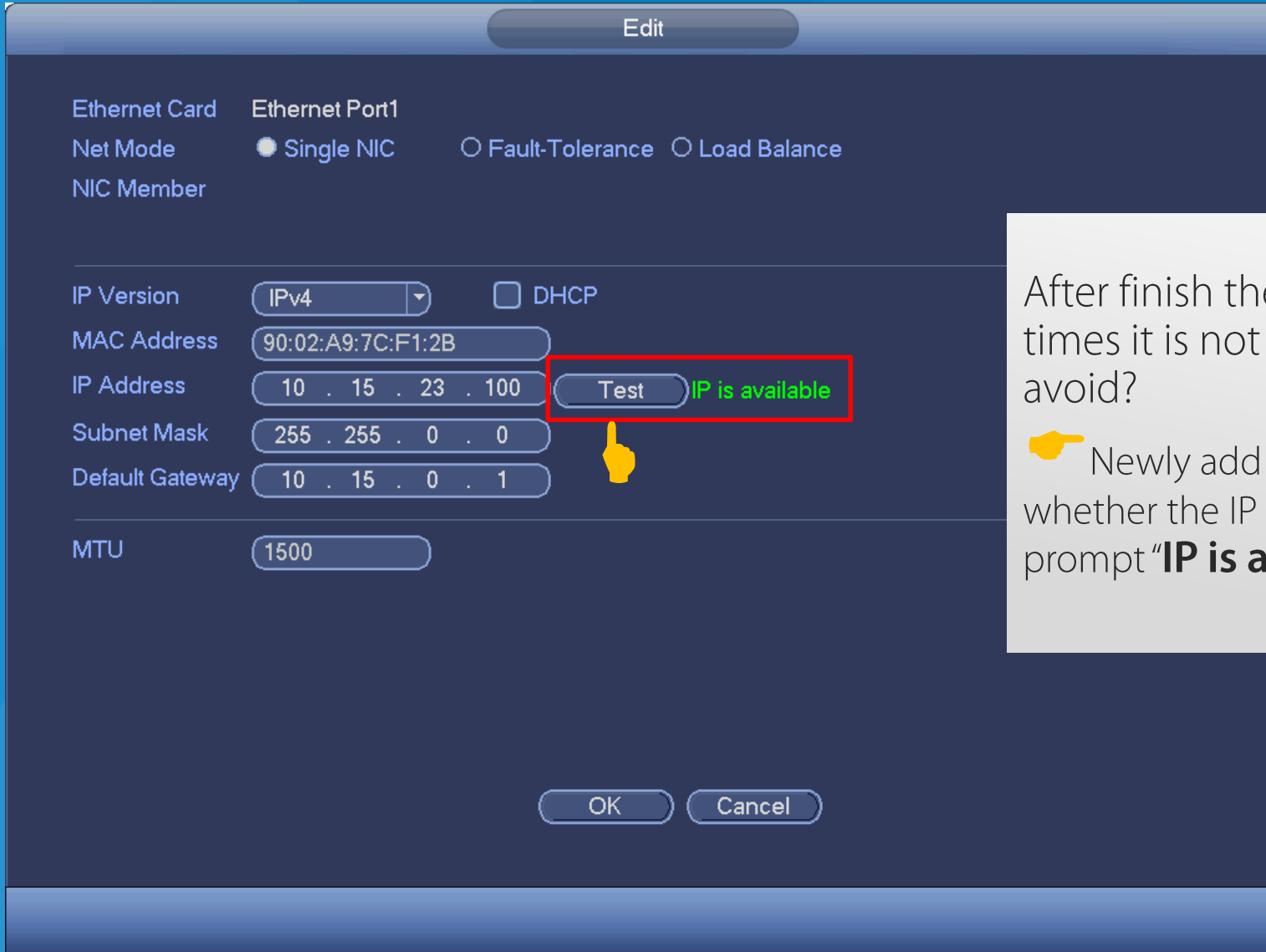


- Support setting trigger events of human body detection
- Support global cameras input
- Support global cameras preview and human body attributes preview
- Human body detection smart play by channel, time, attributes through PTZ channel



Optimizations

Optimizations——IP test



The screenshot shows a network configuration window with a dark blue header and a light blue body. At the top, there is an 'Edit' button. Below it, the 'Ethernet Card' is set to 'Ethernet Port1'. The 'Net Mode' section has three radio buttons: 'Single NIC' (selected), 'Fault-Tolerance', and 'Load Balance'. The 'NIC Member' section is empty. The 'IP Version' is set to 'IPv4' in a dropdown menu, and the 'DHCP' checkbox is unchecked. The 'MAC Address' is '90:02:A9:7C:F1:2B'. The 'IP Address' is '10 . 15 . 23 . 100', the 'Subnet Mask' is '255 . 255 . 0 . 0', and the 'Default Gateway' is '10 . 15 . 0 . 1'. A yellow hand icon points to a 'Test' button located to the right of the IP address field. This button is highlighted with a red rectangle, and the text 'IP is available' is displayed in green to its right. The 'MTU' is set to '1500'. At the bottom, there are 'OK' and 'Cancel' buttons.

Edit

Ethernet Card Ethernet Port1

Net Mode ☒ Single NIC ☐ Fault-Tolerance ☐ Load Balance

NIC Member

IP Version IPv4 ☐ DHCP

MAC Address 90:02:A9:7C:F1:2B

IP Address 10 . 15 . 23 . 100 Test IP is available

Subnet Mask 255 . 255 . 0 . 0

Default Gateway 10 . 15 . 0 . 1

MTU 1500

OK Cancel

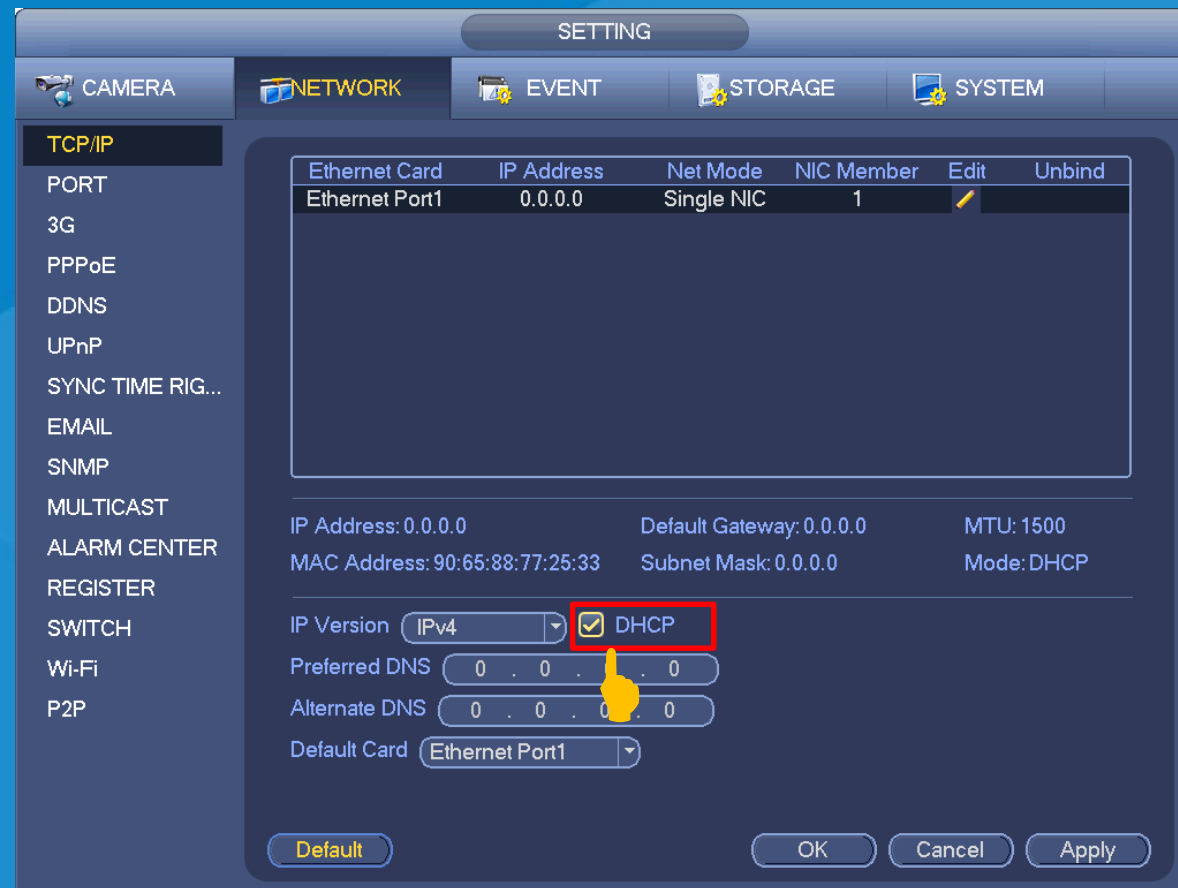
After finish the configuration of IP address, some times it is not available because of IP conflict. How to avoid?

👉 Newly add “Test” button behind IP address to test whether the IP address conflict or not. After testing, it will prompt “**IP is available**” or “**IP conflict**”.

Optimizations—— DNS

Simplify IP address configuration

When IP address of default network card set to DHCP, the preferred and alternate DNS can be configured to DHCP or manual operation. Then, when choose DHCP, the DNS address can not be configure.



The screenshot shows the 'NETWORK' settings window. On the left is a sidebar menu with options: TCP/IP, PORT, 3G, PPPoE, DDNS, UPnP, SYNC TIME RIG..., EMAIL, SNMP, MULTICAST, ALARM CENTER, REGISTER, SWITCH, Wi-Fi, and P2P. The 'TCP/IP' option is selected. The main area displays network configuration for 'Ethernet Port1'. At the top, a table lists network cards with columns: Ethernet Card, IP Address, Net Mode, NIC Member, Edit, and Unbind. Below this, configuration details are shown: IP Address: 0.0.0.0, Default Gateway: 0.0.0.0, MTU: 1500, MAC Address: 90:65:88:77:25:33, Subnet Mask: 0.0.0.0, and Mode: DHCP. The 'IP Version' is set to 'IPv4'. The 'DHCP' checkbox is checked and highlighted with a red box, with a yellow hand icon pointing to it. Below this, 'Preferred DNS' and 'Alternate DNS' are both set to '0.0.0.0'. The 'Default Card' is set to 'Ethernet Port1'. At the bottom are buttons for 'Default', 'OK', 'Cancel', and 'Apply'.

| Ethernet Card | IP Address | Net Mode | NIC Member | Edit | Unbind |
|----------------|------------|------------|------------|------|--------|
| Ethernet Port1 | 0.0.0.0 | Single NIC | 1 | | |

IP Address: 0.0.0.0 Default Gateway: 0.0.0.0 MTU: 1500
MAC Address: 90:65:88:77:25:33 Subnet Mask: 0.0.0.0 Mode: DHCP

IP Version: IPv4 ☒ DHCP
Preferred DNS: 0 . 0 . 0 . 0
Alternate DNS: 0 . 0 . 0 . 0
Default Card: Ethernet Port1

Default OK Cancel Apply

Now

Optimizations—— Event snapshots

Simplify the configuration of event snapshots. Easy to configure, easy to use.

Before

Step1: Enable snapshot schedule on
schedule page
Step2: Enable motion detect and
snapshot

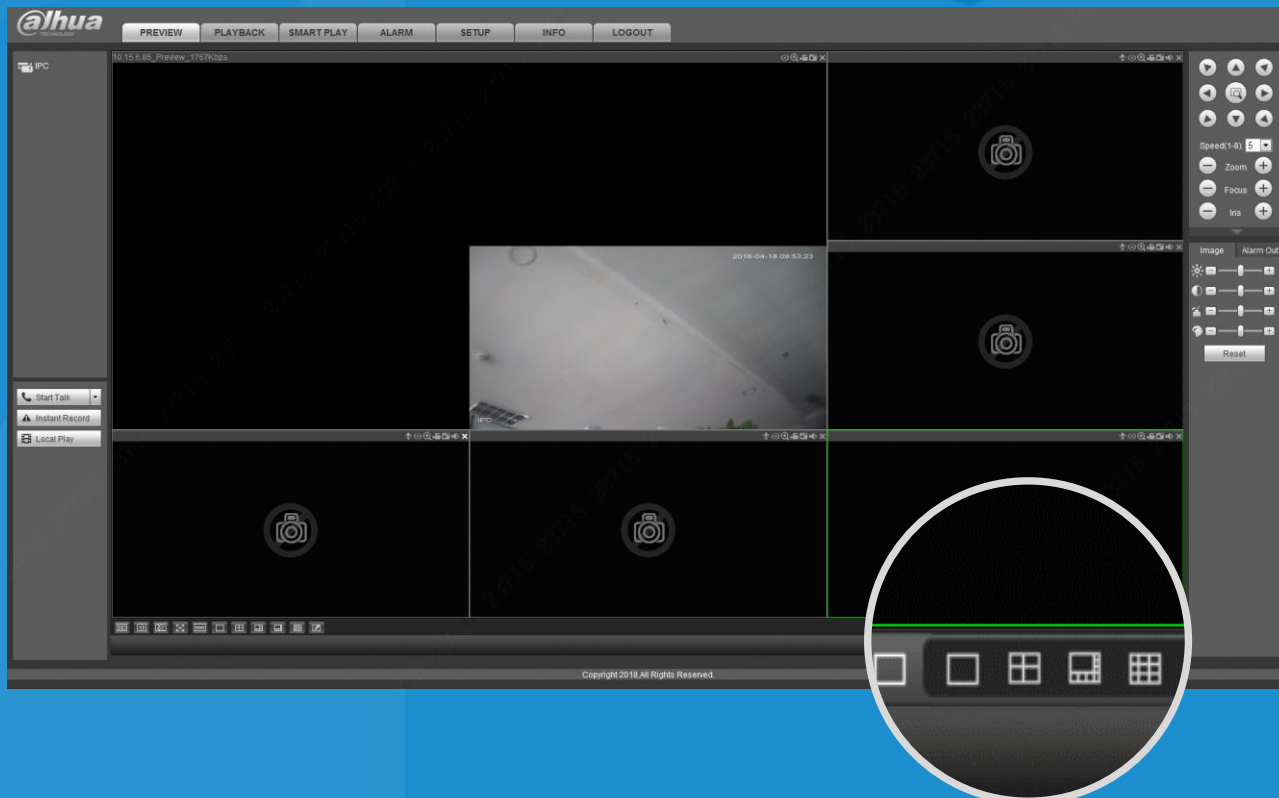


Now

One step: Enable motion detect and
snapshot on motion detection page
Notes: If you need to send email or storage, pls
enable email and storage schedule.

Optimizations—— Multi-channel

The advantage of multi-channel is that you can see all video channels in one channel. It can save massive bandwidth. Therefore, it is widely used in weak network bandwidth, especially on mobile phone. Before, you can not switch windows-split on client, the only way is to switch window-split on local GUI. Now, we solve this issue.



Now

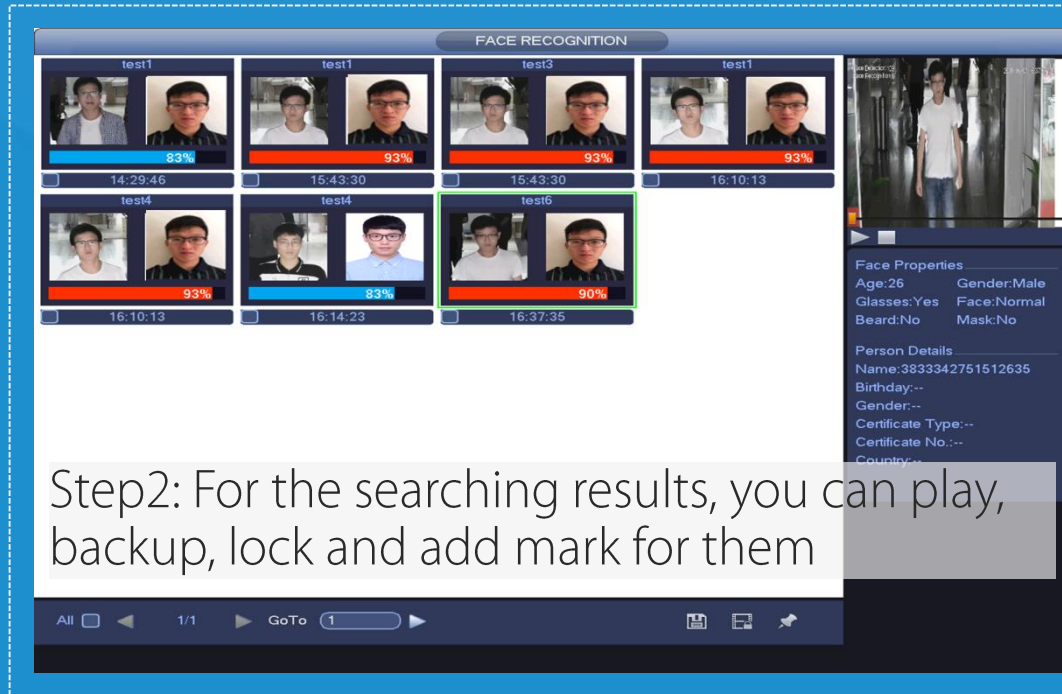
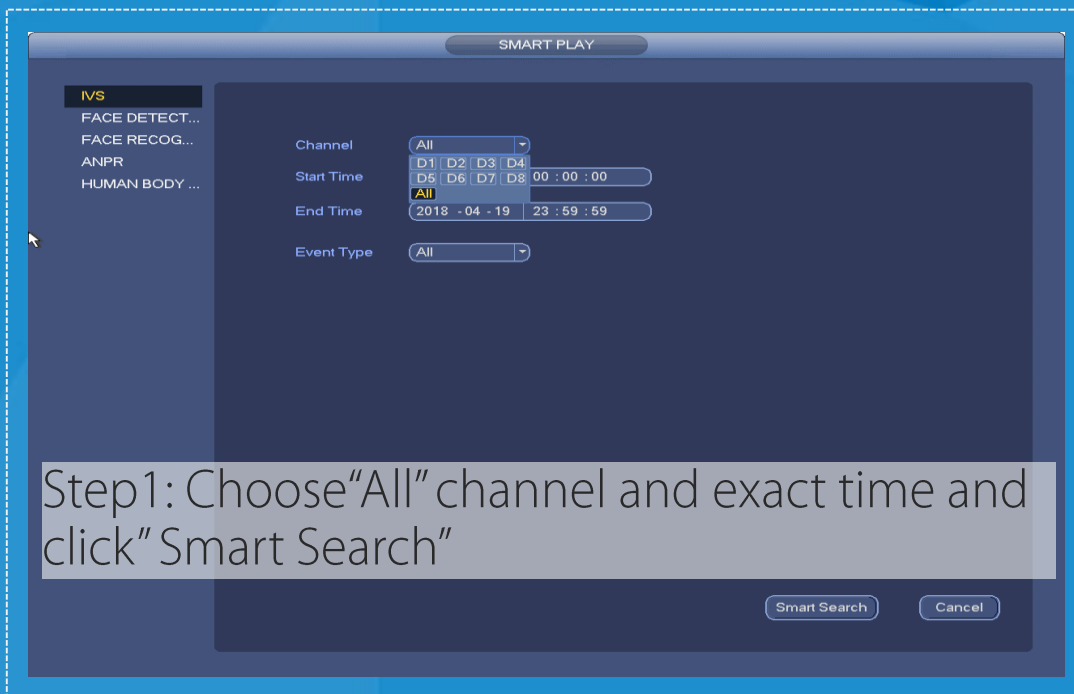
Step1: Choose one channel you want to do multi-channel

Step2: Choose any split you want and all the cameras will be shown according to the exact split you want.

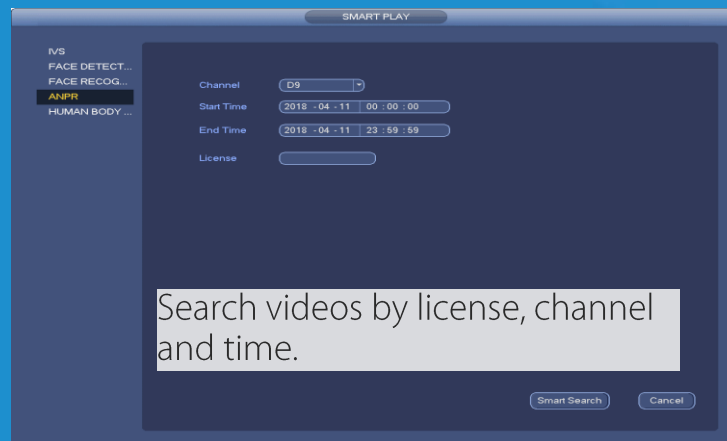
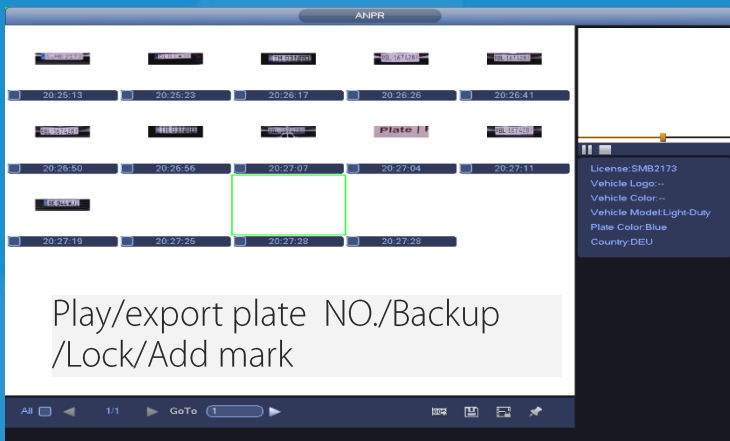
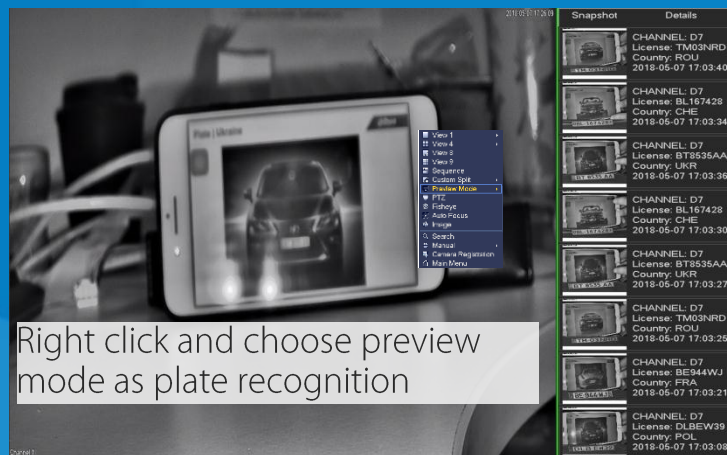
Tips: if one channel has been unauthorized, the multi-channel function can not be enabled for security.

Optimizations—— Smart Play

- ✓ Newly designed UI, easy to learn and easy to use
- ✓ Support video searching from all channels, showing max 1024 files
- ✓ Support cross-days-searching, max 7 days
- ✓ Support backup videos(20s)and pictures via USB port



Optimizations——ANPR



- ✓ Compatible with ITC237-PW1B-IRZ
- ✓ Support black/white list export/import
- ✓ Support max 16 bits plate numbers
- ✓ Support video searching from all channels, showing max 1024 files
- ✓ Support cross-days-searching, max 7 days
- ✓ Support backup videos(20s)and pictures via USB port

Optimizations—— P2P



- ✓ Character string change to P2P
- ✓ Dahua brand, use DMSS mobile app
- ✓ General brand, use Easyviewer mobile app



Bug fixes

Bug fixes

Fix mobile app control the PTZ with opposite direction

Fix playback problem——select 9 channels but using 16 splits

Fix IPC connected to PoE ports will not be online when main Ethernet port has not been connected to switch

Fix stream of fisheye dewarping is not fluent in 64 splits

Fix IPC connected to PoE ports will not be online after reset IPC

Fix web initialization causes incomplete startup problems

THANKS

